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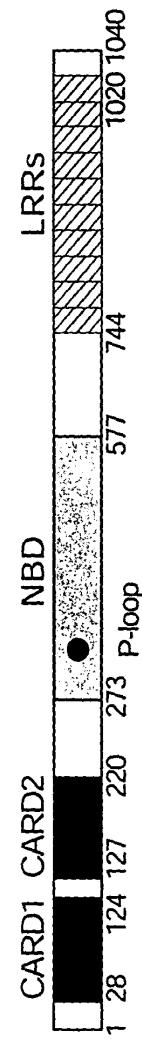
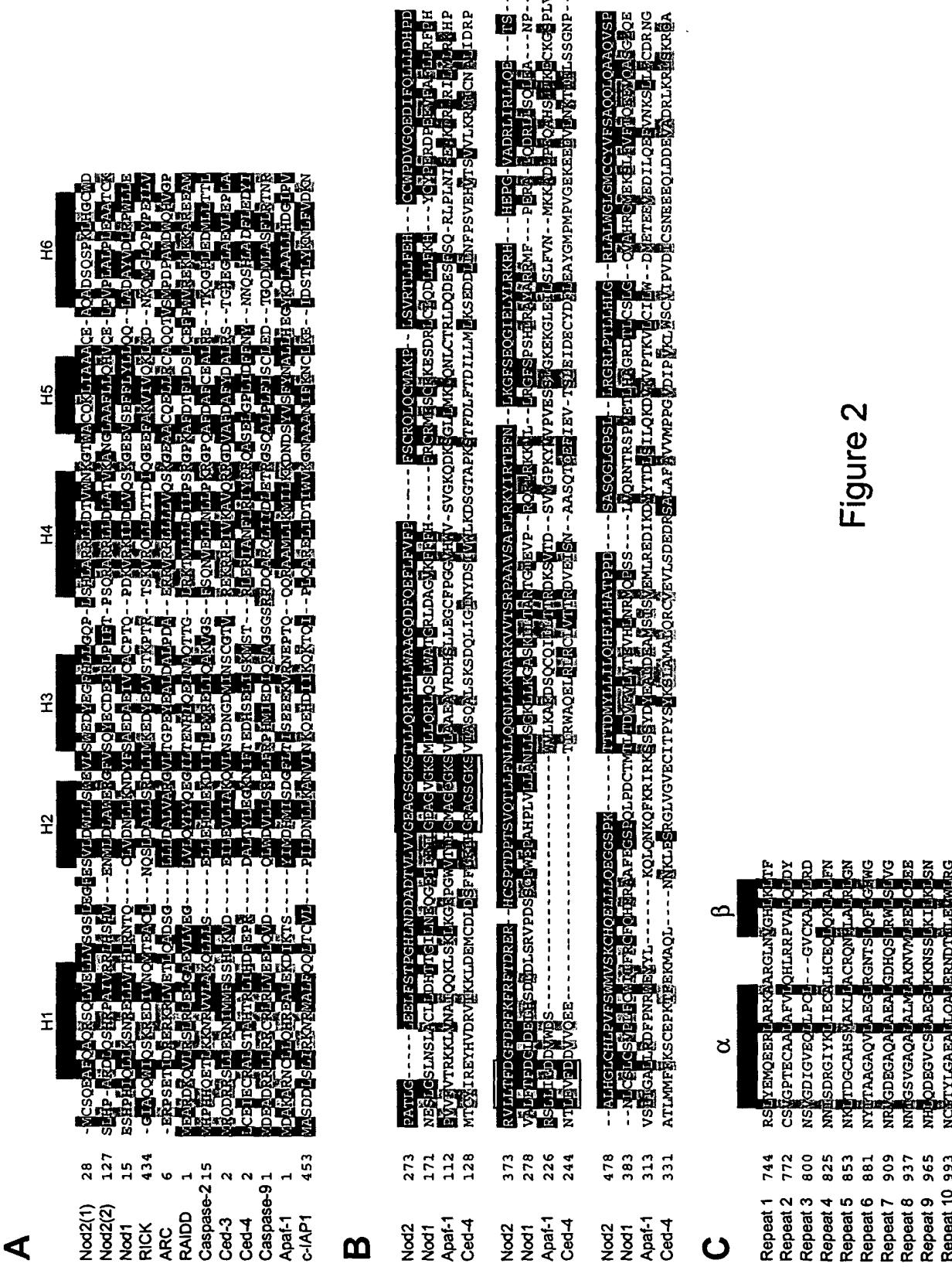


Figure 1



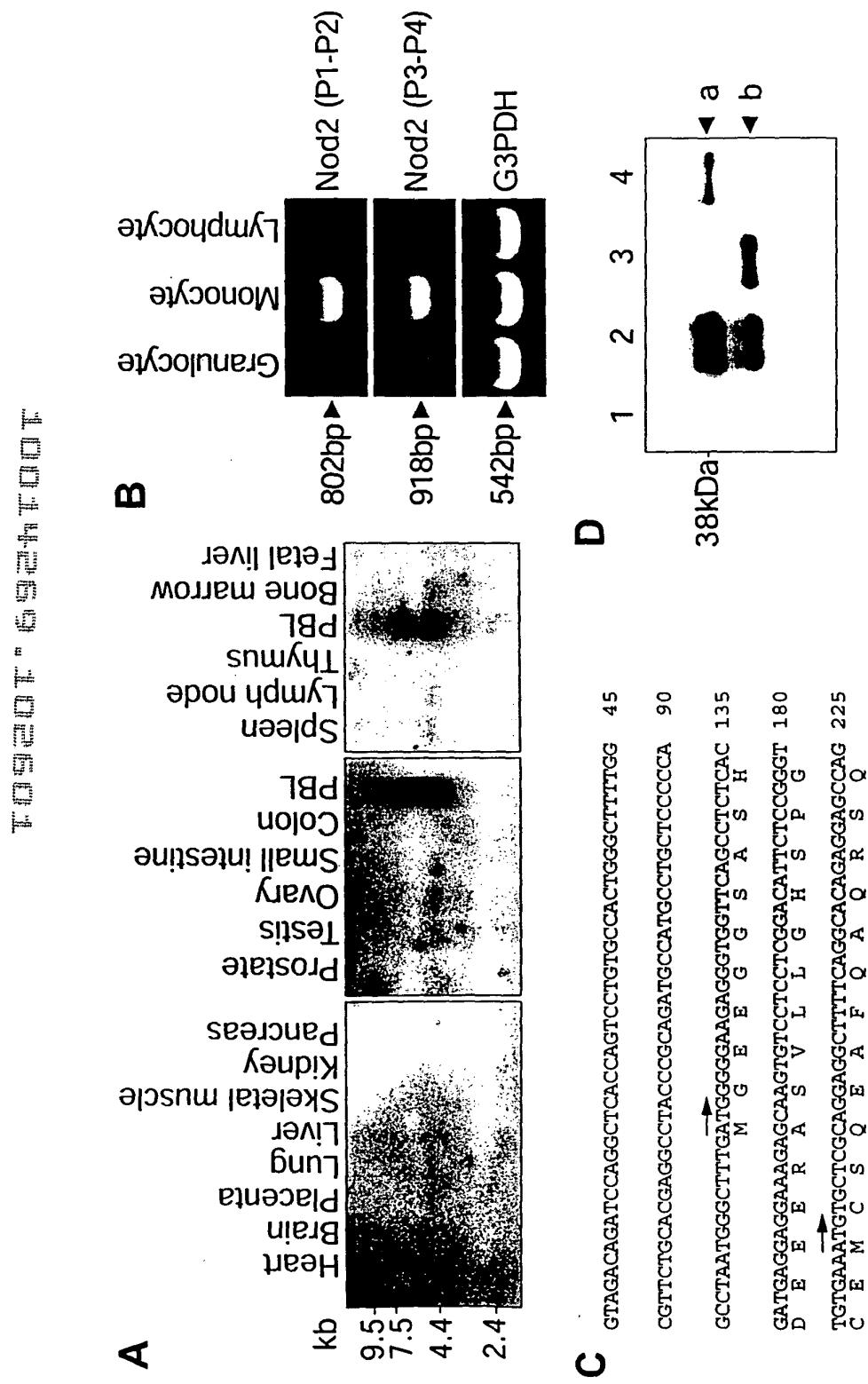


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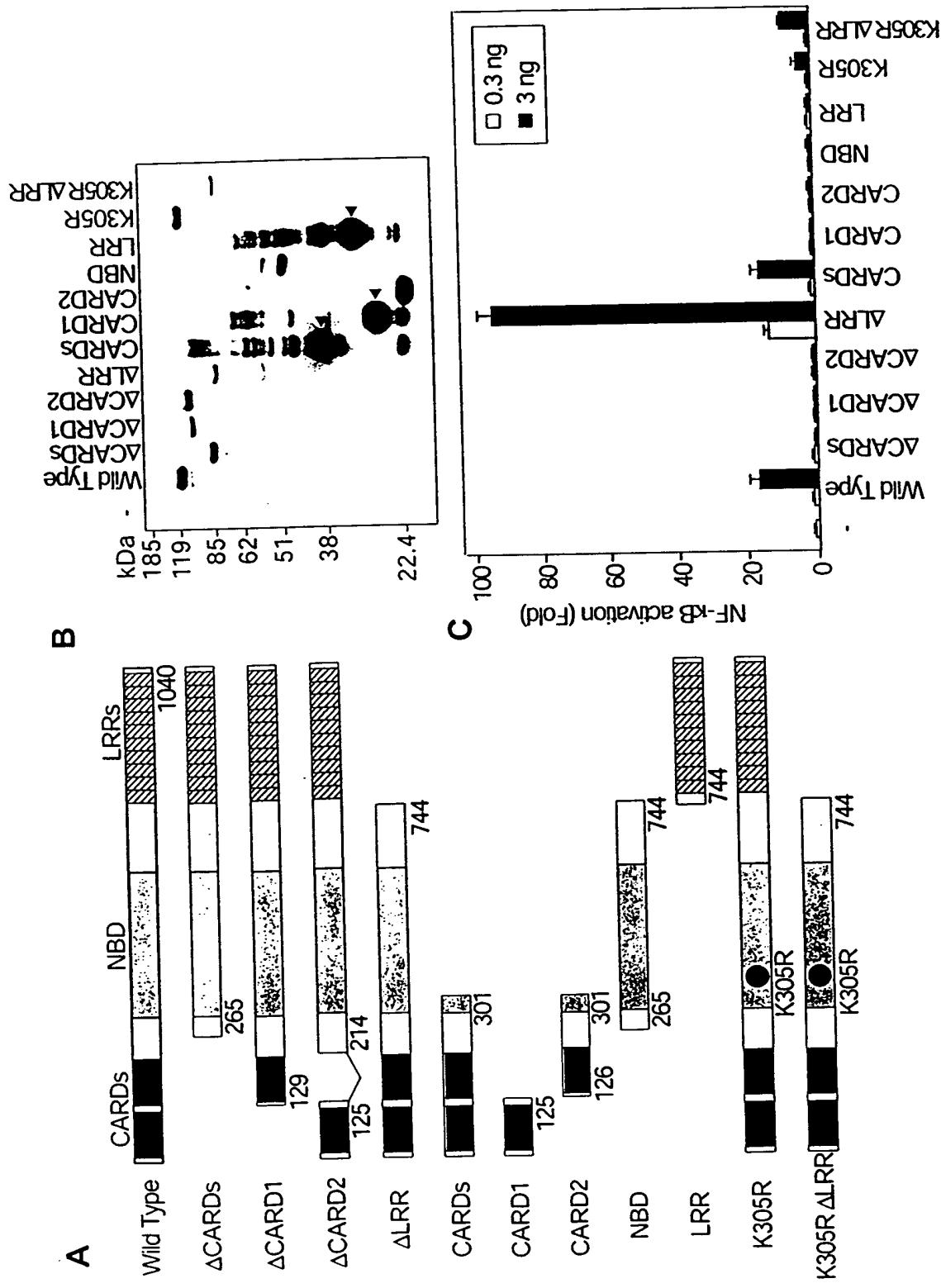


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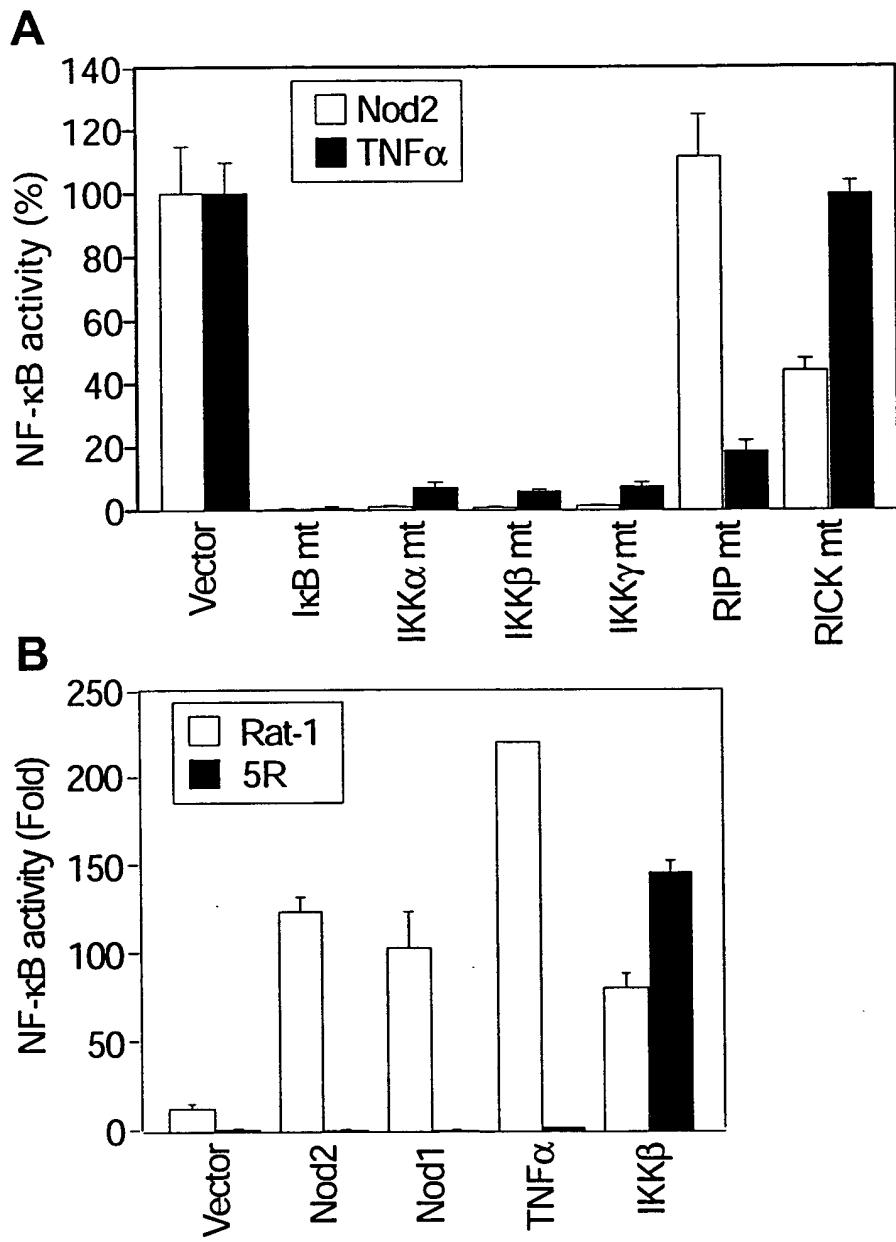


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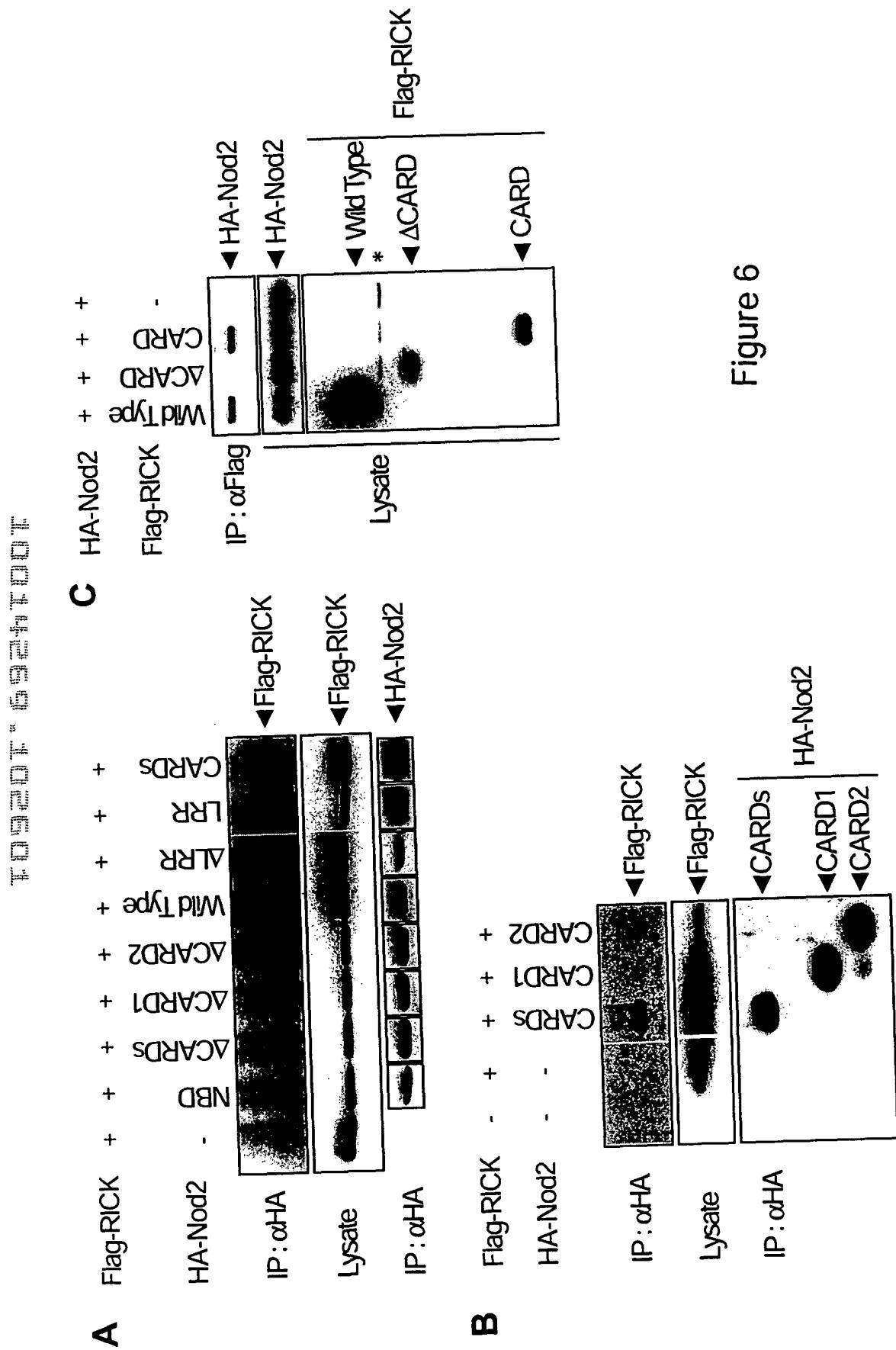


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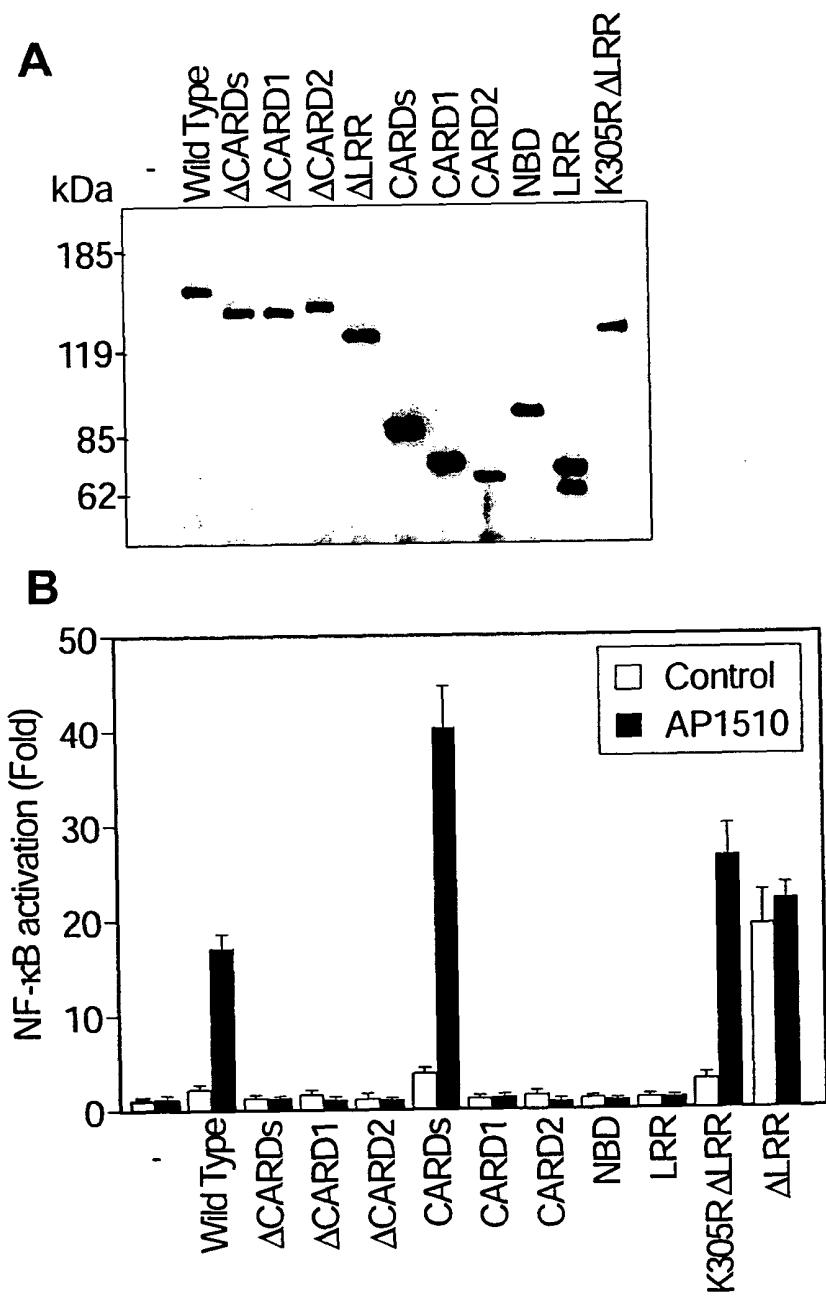


Figure 7

Figure 8

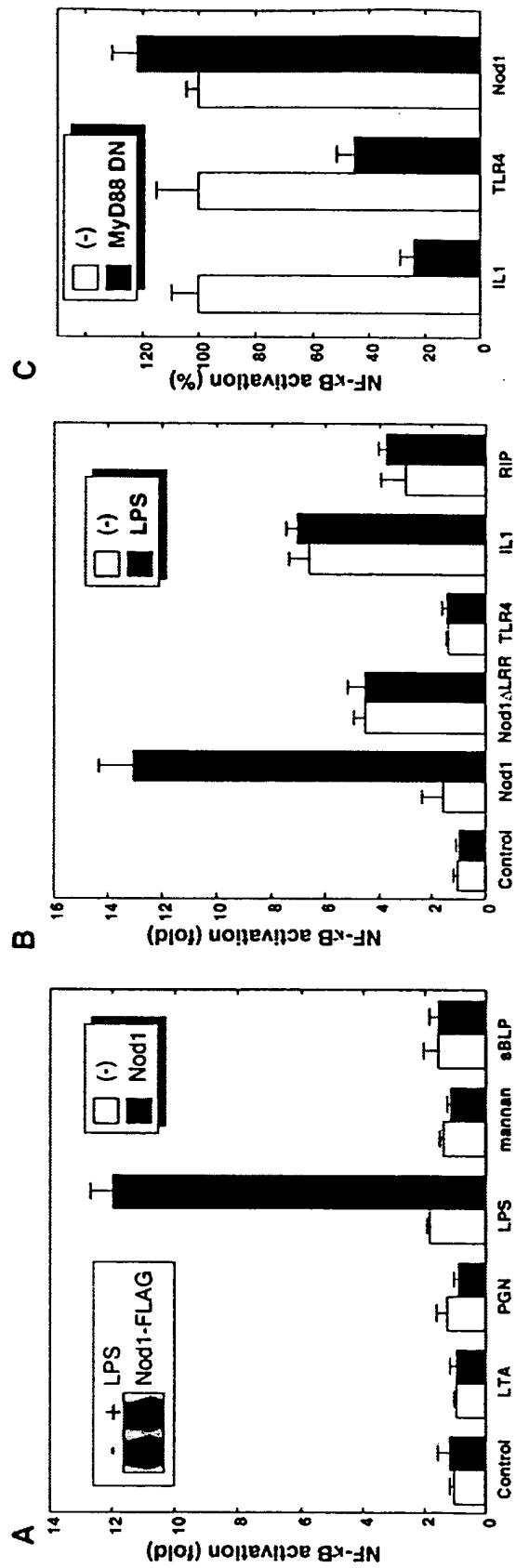


Figure 9

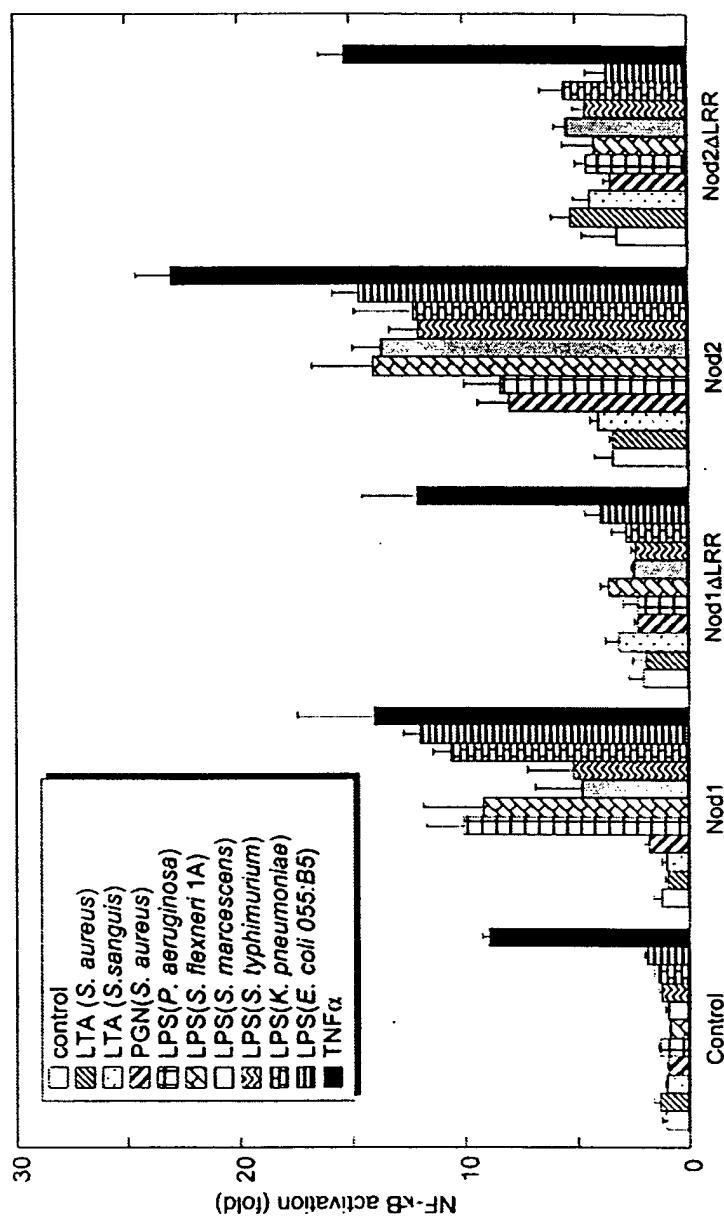
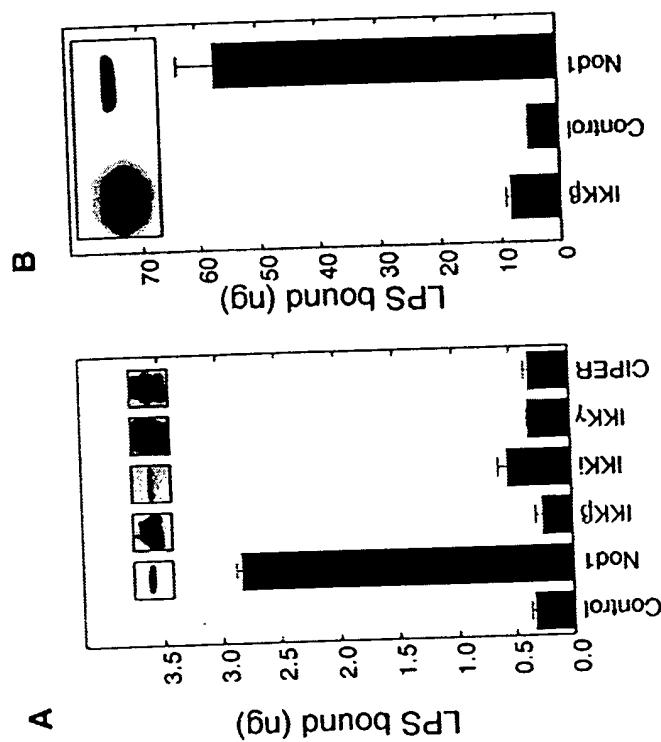


Figure 10



**Figure 11**

**SEQ ID NO:33**

**Nod2 cDNA sequence**

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## Figure 12

### SEQ ID NO:1

#### Nod2 cDNA sequence

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## Figure 13

### SEQ ID NO:2

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## Figure 14

SEQ ID NO:3

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Figure 15  
SEQ ID NO:34

Nod2a AA sequence, Mutant

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HCEQLQKLAL FNNKLTGCA HSMAKLLACR QNFLALRLGN NYITAAGAQV LAEGLRGNTS  
LQFLGFWGNR VGDEGAQALA EALGDHQSLR WLSLVGNNIG SVGAQALALM LAKNVMLEEL  
CLEENHLQDE GVCSLAEGLK KNSSLKILKL SNNCITYLGA EALLQAP\*

## FIGURE 16

### Nod2 Exon11, Wild type

cagacatgag caggatgtgt ctaaggaca ggtgggcttc agtagactgg ctaactcctg

cagtctcttt aactggacag tttcaagagg aaaaccaaga atccttgaag ctcaccattg

tatcttcttt tccagGTTGT CCAATAACTG CATCACCTAC CTAGGGGCAG AAGCCCTCCT

L S N N C I T Y L G A E A L L

GCAGGCCCTT GAAAGGAATG ACACCATCCT GGAAGTCTGg taaggccctt gggcaggct

Q A L E R N D T I L E V

gttttagctc tccgaacctc agttttctta tctgtaaaat ggggtgacgg gagagagggaa

tggcagaatt ttgaggatcc cttctgattc tgacattcag tgagaatgat tctgcatgtg

### Nod2 Exon11, Mutant

cagacatgag caggatgtgt ctaaggaca ggtgggcttc agtagactgg ctaactcctg

cagtctcttt aactggacag tttcaagagg aaaaccaaga atccttgaag ctcaccattg

tatcttcttt tccagGTTGT CCAATAACTG CATCACCTAC CTAGGGGCAG AAGCCCTCCT

L S N N C I T Y L G A E A L L

GCAGGCCCTT TGAAAGGAAT GACACCATCC TGGAAGTCTG gtaaggcccc tgggcaggcc

1000 900 800 700 600 500 400 300 200 100

Q A P \*

tgtttagct ctccgaacct cagttttct atctgtaaaa tgggtgacg ggagagagga

atggcagaat tttgaggatc cttctgatt ctgacattca gtgagaatga ttctgcatgt

g